

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11)

EP 1 081 688 A3

(12)

## EUROPEAN PATENT APPLICATION

(88) Date of publication A3:  
13.08.2003 Bulletin 2003/33

(51) Int Cl.7: **G11B 7/013, G11B 27/32,**  
**G11B 19/04, G11B 7/005**

(43) Date of publication A2:  
07.03.2001 Bulletin 2001/10

(21) Application number: 00306414.4

(22) Date of filing: 27.07.2000

(84) Designated Contracting States:  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE

Designated Extension States:  
AL LT LV MK RO SI

(30) Priority: 24.08.1999 JP 23662999  
09.09.1999 JP 25533499  
24.03.2000 JP 2000083606

(71) Applicant: Victor Company of Japan, Ltd.  
Yokohama 221-0022 (JP)

(72) Inventor: Ueki, Yasuhiro  
Sagamihara-shi, Kanagawa-ken (JP)

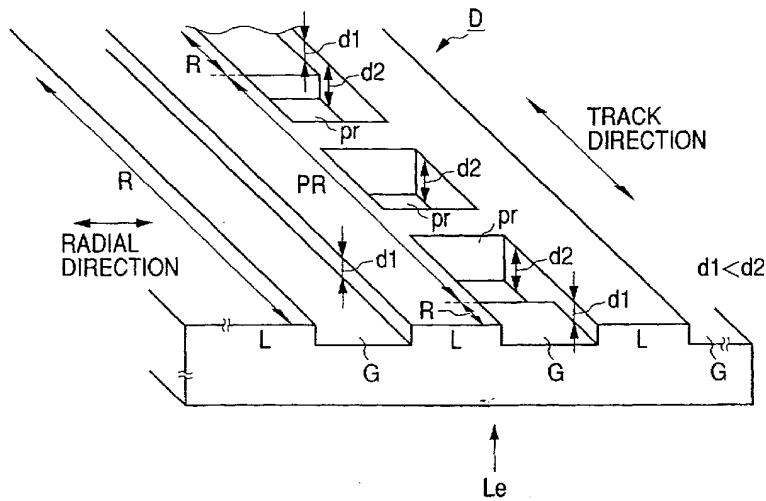
(74) Representative: Senior, Alan Murray  
J.A. KEMP & CO.,  
14 South Square,  
Gray's Inn  
London WC1R 5JJ (GB)

### (54) Information recording medium, and method and apparatus for recording and reproducing information

(57) An information recording medium includes a lead-in area and a data area for storing contents information. The lead-in area includes a first lead-in information area and a second lead-in information area. The first lead-in information area corresponds to a first playback mode. The second lead-in information area corresponds to a second playback mode different from the

first playback mode. The first lead-in information area has a first depth and is designed for storing lead-in information related to the contents information stored in the data area. The second lead-in information area includes pre-pits having a depth greater than the first depth. The pre-pits represent predetermined information, such as information of copyright protection, related to the contents information stored in the data area.

**FIG. 6**





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 00 30 6414

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	EP 0 908 881 A (TOKYO SHIBAURA ELECTRIC CO) 14 April 1999 (1999-04-14) * paragraph [0001] - paragraph [0019] * * paragraph [0028]; figure 1 * ---	1-27	G11B7/013 G11B27/32 G11B19/04 G11B7/005
A	ECMA: STANDARDIZING INFORMATION AND COMMUNICATION SYSTEMS: "Standard ECMA-272, 2nd edition: 120 mm DVD Rewritable Disk (DVD-RAM)" STANDARD ECMA-272, XX, XX, no. 272, June 1999 (1999-06), pages 1-99, XP002186767 * page 32 - page 41 *	1,3,7, 10,26,27	
A	EP 0 802 535 A (MATSUSHITA ELECTRIC IND CO LTD) 22 October 1997 (1997-10-22) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G11B
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search		Examiner
THE HAGUE	18 June 2003		Holubov, C
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background C : non-written disclosure P : intermediate document			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 00 30 6414

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
 The members are as contained in the European Patent Office EDP file on  
 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-06-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0908881	A	14-04-1999	JP	11086436 A	30-03-1999
			CN	1211788 A ,B	24-03-1999
			EP	0908881 A2	14-04-1999
			US	6490683 B1	03-12-2002
<hr/>					
EP 0802535	A	22-10-1997	EP	0802535 A1	22-10-1997
			US	6289102 B1	11-09-2001
			WO	9714147 A1	17-04-1997
<hr/>					